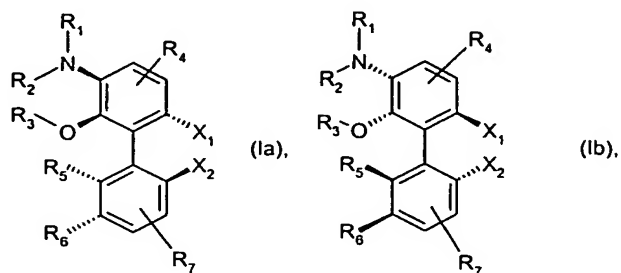


Abstract

1,1'-Biphenyl-2,2'-diphosphines having at least one amine substituent in the para position relative to the phosphine group and having the formulae



are ligands for metal complexes which serve as catalysts for asymmetric addition reactions of prochiral organic compounds and whose catalytic properties can be tailored specifically to particular substrates by substitution of the amine group.